**Assignment NO: 3**

**Name: Muhammad Khizar Nadeem**

**Student ID: BC210413439**

**Questions No. 01** **Marks (15+5)**

Write a C++ program that calculates the total marks and average marks obtained by a student in five subjects and also computes the division based on the average marks. You are required to enter the marks for each subject out of 100 marks. The output screen should show your name and student id (VU ID), obtained marks, average marks, and division as shown in the output diagram (given below):

**Use the division system mentioned below to compute the Division using the if-else structure.**

Greater than or equal to 60 First Division

Greater than or equal to 45 but less than 60 Second Division

Greater than or equal to 33 but less than 45 Third Division

And in case marks are less than 33% Fail

#include<iostream>

#include<string>

using namespace std;

int main()

{

string name = "Khizar Nadeem";

string ID = "BC210413439";

cout << "Student Name = " << name << endl;

cout << "Student ID = " << ID << endl;

int total = 500;

int book1 = 87;

int book2 = 82;

int book3 = 67;

int book4 = 87;

int book5 = 94;

int sum;

sum = book1 + book2 + book3 + book4 + book5;

cout << "sum Marks: " << sum << "/" << total << endl;

int Avarage;

Avarage = sum \* 100 / total;

cout << "Avarage:" << Avarage << "%" << endl;

if (Avarage >= 60)

{

cout << "First Division" << endl;

}

else if (Avarage >= 45)

{

cout << "Second Division" << endl;

}

else if (Avarage >= 33)

{

cout << "Third Division" << endl;

}

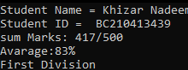
else

cout << "Fail" << endl;

system("pause");

}

**Output**

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